



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

SPRING WHEAT PLANTING ALMOST COMPLETED

Spring wheat planting neared completion this past week, according to the USDA, NASS, Minnesota Field Office. As of Sunday, May 2, temperatures statewide were 2.2° above normal, and 4.7 days were rated suitable for fieldwork during the week. Dry, mild weather early in the week kept producers in the fields to continue planting at an above average pace. Showers delivered moderate precipitation statewide Thursday night into Friday, and scattered showers continued throughout the weekend. Precipitation amounts varied, with the north central region receiving one inch and the south central region receiving a quarter inch, on average. April 2010 was the second warmest dating back to 1891, and overall, producers reported being pleased with spring planting progression.

Spring wheat planting progressed to 98 percent complete, compared to 16 percent planted last year and 34 percent for the five-year average. Sixty-seven percent of the crop has emerged, and 94 percent was rated in good to excellent condition. Corn planting advanced to 87 percent, 31 percentage points ahead of last year and 46 points ahead of average. Soybean planting was 19 percent complete, compared to 6 percent last year and 4 percent average. Sugarbeet planting neared completion with 97 percent planted, 53 points ahead of average. Oats were 60 percent emerged with 83 percent of the crop rated in good to excellent condition.

Late week rains helped to restore needed topsoil moisture supplies, with 24 percent rated very short to short, compared to 33 percent last week. Pasture conditions were rated 61 percent good to excellent.

Days Suitable for Fieldwork: 4.7

	Very Short	Short	Adequate	Surplus
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	Percent			
Topsoil Moisture	7	17	70	6

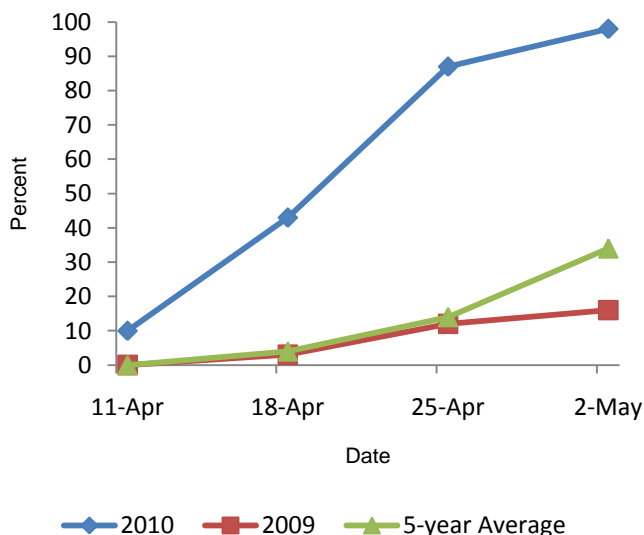
Crop Progress as of May 2, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		-----	-----	-----	-----
		Percent			
Corn	Land Prepared	95	80	71	53
Corn	Planted	87	63	56	41
Corn	Emerged	9	1	1	1
Soybeans	Land Prepared	47	22	18	13
Soybeans	Planted	19	4	6	4
Spring Wheat	Planted	98	87	16	34
Spring Wheat	Emerged	67	26	4	6
Barley	Planted	97	88	18	30
Barley	Emerged	64	30	4	7
Oats	Planted	96	85	60	54
Oats	Emerged	60	37	18	17
Oats	Jointing	1	NA	0	0
Sugarbeets	Planted	97	87	19	44
Potatoes	Planted	76	57	48	39
Green Peas	Planted	65	40	48	38
Sunflowers	Planted	25	8	0	1
Canola	Planted	86	65	0	6
Dry Beans	Planted	1	1	0	1
Sweet Corn	Planted	18	9	11	7

Condition as of May 2, 2010

	Very Poor	Poor	Fair	Good	Exc
	-----	-----	-----	-----	-----
	Percent				
Pasture	5	3	31	53	8
Oats	0	1	16	68	15
Spring Wheat	0	0	6	69	25
Barley	0	1	6	58	35

Spring Wheat Planted



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

U.S. Drought Monitor:
<http://drought.unl.edu/dm/monitor.html>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING MAY 2, 2010:
Temperatures averaged from 0.5 degree above normal in the Northeast District to 3.8 degrees above normal in the Northwest District.
Extremes: 21 degrees in Hibbing; 82 degrees in Winnebago. Average precipitation ranged from 0.48 inch below normal in the South Central District to 0.62 inch above normal in the North Central District.
Greatest weekly total of 1.38 inches was recorded in Winona.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 4/26/2010 through 5/2/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	69	36	52.5	3.5	.89	.49	.00	-.13	77	26
Itasca	66	31	49.2	4.3	1.15	.69	.43	.31	60	26
Moorhead	71	34	52.2	1.8	.99	.59	.19	.03	70	14
Warroad	68	37	50.2	5.4	.93	.56	-.24	-.03	61	26
<u>NC DIST 2</u>										
Grand Rapids	67	31	49.0	1.5	.82	.33	-.56	-.75	54	10
Intl. Falls	65	28	48.2	2.0	1.30	.90	.03	-.02	54	15
<u>NE DIST 3</u>										
Duluth	58	28	47.0	1.8	.25	-.28	-1.56	-1.48	34	1
Grand Marais	53	28	42.0	-.8	.60	.21	-.58	-.71	16	-4
Hibbing	65	21	46.4	.5	.81	.38	-.53	-.36	59	23
<u>WC DIST 4</u>										
Alexandria	68	38	50.2	.9	.34	-.16	-.75	-.89	47	-5
Browns Valley	70	38	52.0	.8	1.20	.72	.19	-.07	57	-5
Canby	70	37	53.6	1.7	.40	-.16	-1.14	-1.43	72	8
Dalton	67	38	52.2	1.8	.71	.28	.21	.10	59	3
Montevideo	71	38	53.2	2.2	.39	-.19	-1.21	-1.47	74	14
Morris	70	37	50.6	-.3	.44	-.08	-.10	-.33	57	-2
Wheaton	71	39	52.5	2.1	.78	.31	.12	-.13	65	8
<u>CENT DIST 5</u>										
Becker	68	38	54.0	3.3	.23	-.42	-.59	-.86	68	10
Collegeville	68	38	53.4	1.1	.20	-.38	-.52	-.74	66	0
Hutchinson	72	39	54.0	2.2	.21	-.34	2.34	2.07	80	17
Melrose	67	37	52.2	2.3	.45	-.13	-.37	-.60	63	9
Olivia	71	37	52.4	1.5	.34	-.25	-1.36	-1.64	74	14
St. Cloud	67	36	52.2	2.2	.22	-.31	-.62	-.85	64	10
Staples	66	37	50.5	2.0	.57	.05	-1.07	-1.31	61	13
Wadena	66	35	49.6	1.7	.40	-.12	-.97	-1.07	52	7
Willmar	69	40	53.3	2.3	.33	-.21	1.46	1.21	69	9
<u>EC DIST 6</u>										
Aitkin	66	28	48.8	1.6	1.05	.50	-.45	-.63	60	19
Forest Lake	72	34	54.0	3.2	.11	-.53	-.75	-.69	82	23
Hinckley	66	30	48.8	1.4	.23	-.39	-.77	-.85	55	13
MSP Airport	73	39	56.6	3.9	.07	-.52	.06	-.08	84	17
St. Paul - UofM	70	37	54.4	2.1	.08	-.59	-.63	-.81	73	7
<u>SW DIST 7</u>										
Lamberton	73	39	54.4	2.9	.52	-.16	-.11	-.42	82	19
Marshall	71	38	53.9	2.2	.34	-.26	-1.07	-1.36	85	22
Pipestone	69	37	51.5	.7	.41	-.22	-.30	-.58	70	11
Redwood Falls	73	39	55.3	2.0	.48	-.15	-.51	-.81	79	8
Worthington	71	35	51.6	1.7	.77	.11	.21	-.11	69	16
<u>SC DIST 8</u>										
Faribault	78	32	54.8	4.4	.17	-.57	-1.56	-1.79	96	40
Mankato	80	39	54.2	2.4	.39	-.32	-1.18	-1.52	85	22
Waseca	80	38	54.6	3.3	.14	-.68	-1.28	-1.60	87	26
Winnebago	82	36	53.9	1.8	.45	-.33	-1.08	-1.37	88	23
<u>SE DIST 9</u>										
Preston	69	30	51.4	.9	.38	-.45	-1.67	-1.58	70	16
Red Wing	73	33	55.4	3.5	.34	-.37	-1.03	-1.00	87	24
Rochester	79	33	55.6	5.1	.50	-.26	-1.78	-1.74	81	26
Rosemount	73	33	54.6	3.4	.17	-.59	-1.17	-1.37	81	22
Winona	73	35	55.5	3.7	1.38	.54	-1.23	-1.30	80	17

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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